



# Agriculture & Forestry Technical Work Group Call #3

September 15, 2005



# Today's Agenda

1. Call to order
2. Roll call
3. Review of September 8 meeting summary
4. Suggested revisions to draft AZ GHG emissions inventory and forecast for Agriculture & Forestry
5. Review and discussion of list of potential state actions
6. Discussion of next steps toward identification of priorities for analysis
7. Call to the public
8. Proposed agenda items for next meeting
9. Announcements

# Forestry

- Suggested revisions to draft inventory and Reference Case Projections for the Forestry sector?
  - AZ FORCARB data and USFS methods document posted to website
  - Review and Clarifying questions

# Forestry

- Forest carbon stock changes
  - 1990-2004 average annual stock changes
  - Carbon only (units in MMT CO<sub>2</sub>e)

Live and dead-standing trees and understory	2.5
Forest floor and coarse woody debris	-3.8
Soils	-5.5
Wood products and landfills	0.0
<b>Total</b>	<b>-6.7</b>

# Forestry

- Data Sources
  - Forest Inventory Analysis (FIA) data collected by states and USFS
  - HARVCARB and soil data collected through field studies
  - NRI data collected by states and USDA
- Methods
  - USFS FORCARB2 carbon stock change model
    - Augmented with flow estimates from soil carbon, HARVCARB, land use/cover change data

# Forestry

- Key Assumptions and Uncertainties
  - Effects of land use change?
    - Effect of changed forest definition
    - Effect of shift to nonforest cover/uses
    - Size and trends of carbon stocks on rangelands
  - New trends for biomass growth, mortality, and commercial use?
    - Forest health, commercial activities
  - Harvested wood products imports/exports?

# Forestry

- Options for reference case projections (2002-2020)
  - Hold constant from 2004 (current)
  - Modification through expert judgment
  - Modeled forecast
- Choice does not affect quantification methods for policy options
  - But may affect overall net emissions levels for the state

# Forestry

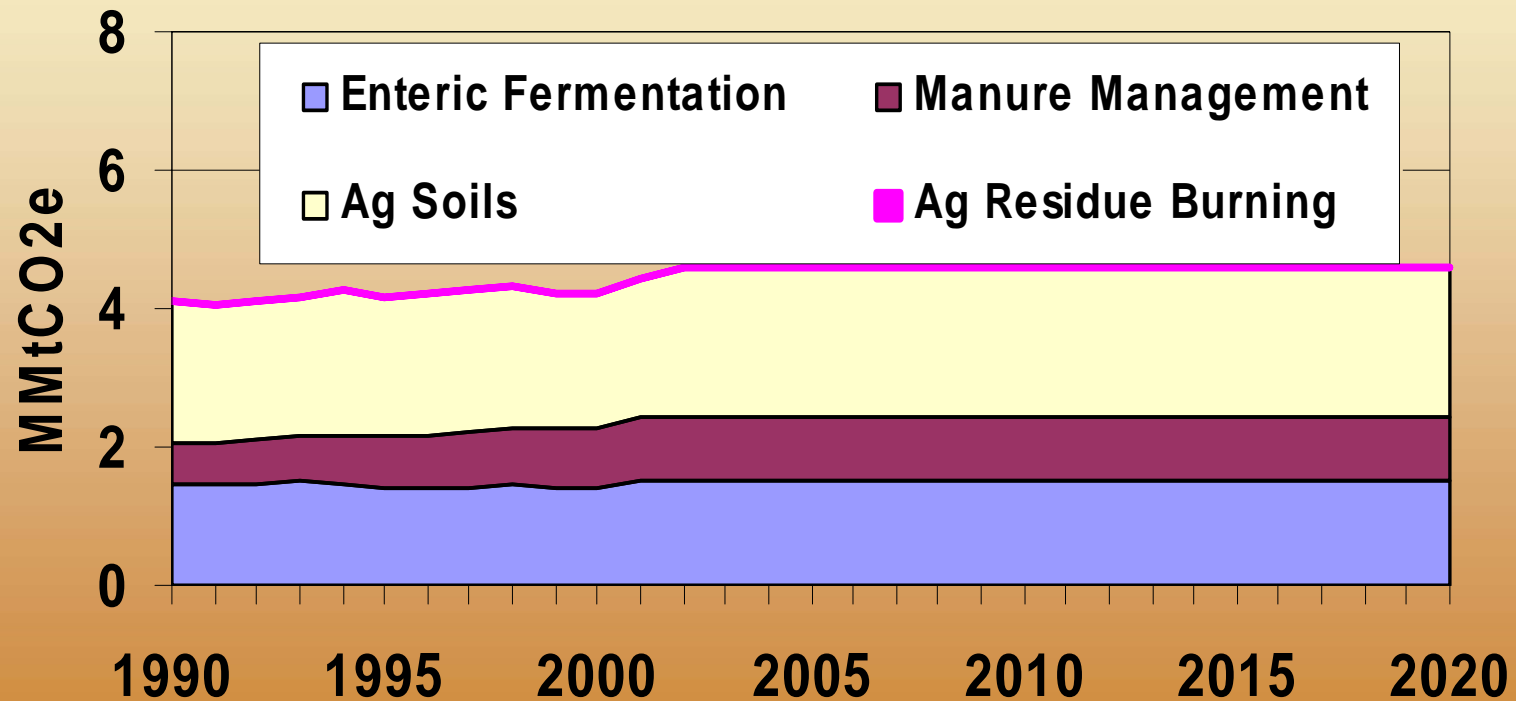
- Suggested inventory revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?



# Forestry

- Suggested forecast revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Agriculture



# Agriculture

- Suggested inventory revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Agriculture

- Suggested forecast revisions:
  - Data sources?
  - Data methods?
  - Key assumptions?

# Policy Options

- Develop and finalize draft rankings by 9/22
  - Agriculture
  - Forestry

# Agriculture Options

- Agriculture
  - Production of Fuels and Electricity
  - Fertilizer and Manure Management
  - Soil Carbon Management
  - Land Use Change
  - Farming Practices
- Revisions to matrix?
  - Additions
  - Revisions to draft rankings?

# Forestry Options

- Forestry
  - Biomass Protection and Management
  - Wood Products and Waste
  - Energy Production
- Revisions to matrix?
  - Additions
  - Revisions to draft rankings?

# Next Call

- Proposed agenda items
  - Suggested initial CCAG priorities for analysis
  - Suggested CCAG revisions to inventory and reference case



# Public input/announcements?